

Converting Colors

$Y_{xy}(100.0000, 0.3903, 0.3932)$

Have a look what the booklet for
Yxy(100.0000, 0.3903, 0.3932)
contains.

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Color

Yxy(91.5294, 0.3616, 0.4005)

Conversions

Conversions Part 1

Format	Color
Hex	FFF8B0
RGB	255, 248, 176
RGB Percent	100%, 97%, 69%
CMY	0.0000, 0.0274, 0.3099
CMYK	0.00, 0.03, 0.31, 0.00
HSL	55°, 100%, 85%
HSV	55°, 31%, 100%
XYZ	82.6393, 91.5294, 54.3691
YIQ	241.8850, 27.2840, -20.9080

Conversions

Conversions Part 2

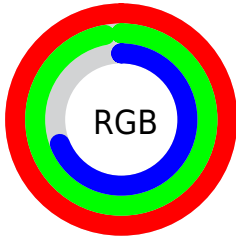
Format	Color
RYB	184, 255, 176
Decimal	16775344
CIELab	96.63, -8.24, 35.52
CIELCh	97, 36.460, 103.067
Yxy	91.5294, 0.3616, 0.4005
Android (android.graphics.Color)	4294965424 (0xFFFFFFFF8B0)
YUV	241.8850, -32.4813, 11.5019
Hunter-Lab	95.6710, -13.2384, 33.2756

Details

The Yxy color **91.5294, 0.3616, 0.4005** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.2934, 0.2583, 0.2457**, and the grayscale version is **88.9430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **50.9997, 0.3706, 0.4159** is the 20% darker color. If you saturate the color by 10%, you get **89.2403, 0.3776, 0.4230**, and if you desaturate by 10%, it is **94.0331, 0.3454, 0.3772**.

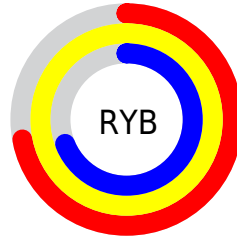
Distribution



Red (100%)

Green (97%)

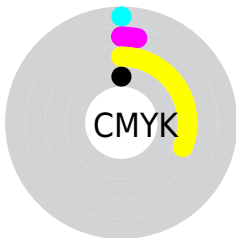
Blue (69%)



Red (72%)

Yellow (100%)

Blue (69%)

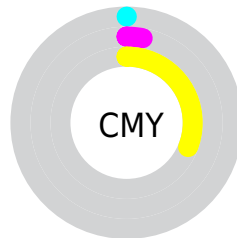


Cyan (0%)

Magenta (3%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.5294, 0.3616, 0.4005 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 91.5294, 0.3616, 0.4005 by changing the saturation by 10% instead.


 91.5294, 0.3616,
0.4005

 91.5294, 0.3616,
0.4005


532.9935, 0.3405,
0.3686

 69.2498, 0.3660,
0.4074


 149.4610, 0.3546,
0.3897

 50.9152, 0.3713,
0.4158


185.8818, 0.3518,
0.3854

 36.1411, 0.3776,
0.4261


227.7851, 0.3493,
0.3817

 24.5432, 0.3852,
0.4391

275.5554, 0.3471,
0.3784

 15.7371, 0.3945,
0.4556

329.5769, 0.3452,
0.3755

 9.3383, 0.4058,
0.4771

390.2342, 0.3435,

 4.9625, 0.4194,

0.3730

0.5064

457.9116, 0.3419,
0.3706

■ 2.2253, 0.4423,
0.5577

■ 0.7337, 0.4034,
0.5966

■ 91.5294, 0.3616,
0.4005

■ 91.5294, 0.3616,
0.4005

■ 89.2403, 0.3776,
0.4230

■ 94.0331, 0.3454,
0.3772

■ 87.1425, 0.3927,
0.4436

■ 96.7487, 0.3295,
0.3539

■ 85.2286, 0.4063,
0.4615

■ 99.6897, 0.3142,
0.3312

■ 83.4853, 0.4178,
0.4756

■ 99.9986, 0.3127,
0.3290

■ 81.8976, 0.4266,
0.4853

■ 80.4475, 0.4327,
0.4905

■ 79.2333, 0.4360,
0.4920

Harmonies

Analogous

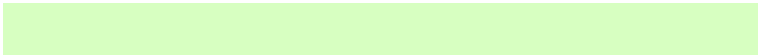
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5294, 0.3878, 0.3824



91.5294, 0.3616, 0.4005



91.5294, 0.3232, 0.3982

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.5294, 0.3616, 0.4005



91.5294, 0.2384, 0.2971



91.5294, 0.3395, 0.2900

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



91.5294, 0.3616, 0.4005



50.2934, 0.2583, 0.2457

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.5294, 0.2980, 0.2699



91.5294, 0.3616, 0.4005



91.5294, 0.2419, 0.2720

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.5294, 0.3616, 0.4005



91.5294, 0.2531, 0.3344



91.5294, 0.2630, 0.2630



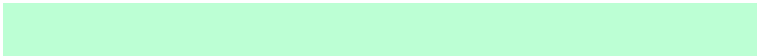
91.5294, 0.3752, 0.3194

Rectangle

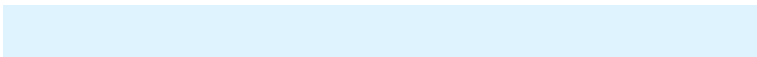
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.5294, 0.3616, 0.4005



91.5294, 0.2963, 0.3837



91.5294, 0.2630, 0.2630



91.5294, 0.3256, 0.2821

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



91.5335, 0.3616, 0.4005



97.3221, 0.3263, 0.3493



55.7531, 0.3764, 0.3209



20.7420, 0.3286, 0.3526



0.0000, 0.0000, 0.0000



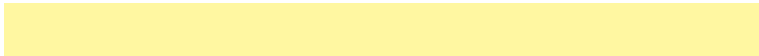
21.4041, 0.3127, 0.3290

Same Dimension

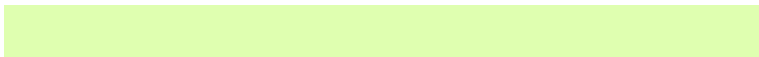
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.5335, 0.3616, 0.4005



90.1371, 0.3713, 0.4142



90.3977, 0.3383, 0.4125



20.8000, 0.3271, 0.3505



41.5175, 0.4357, 0.4922



4.1196, 0.4336, 0.4939

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50.2934, 0.2583, 0.2457



43.1314, 0.2461, 0.2265



51.6076, 0.2798, 0.2429



17.6356, 0.2979, 0.3066



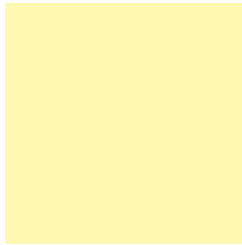
4.1703, 0.1516, 0.0656



0.4896, 0.1548, 0.0774

Previews

White Background



This preview shows how the Yxy color 91.5294, 0.3616, 0.4005 looks on a white background.

Color Contrast Check

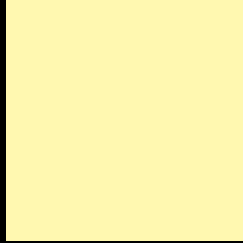
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 91.5294, 0.3616, 0.4005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

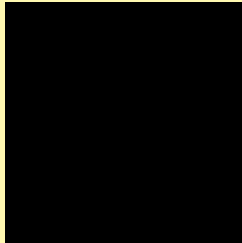
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.5294, 0.3616, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 91.5294, 0.3616, 0.4005.

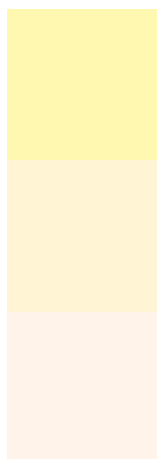


This preview shows how white text looks on a background with the Yxy color 91.5294, 0.3616, 0.4005.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

91.5294, 0.3616, 0.4005

Protanopia

91.3689, 0.3391, 0.3607

Deuteranopia

91.3017, 0.3261, 0.3378



Tritanopia

91.7293, 0.3157, 0.3203

Trichromacy



Original Color

91.5294, 0.3616, 0.4005



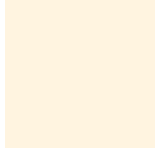
Protanomaly

91.3417, 0.3471, 0.3747



Deuteranomaly

91.3689, 0.3391, 0.3607



Tritanomaly

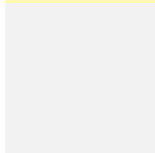
91.3432, 0.3323, 0.3487

Monochromacy



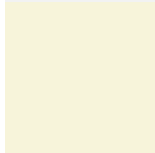
Original Color

91.5294, 0.3616, 0.4005



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

89.5375, 0.3307, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.5294, 0.3616, 0.4005 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 248, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 176)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 248, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 176) }
```

Border

The CSS property to change the border of an element to Yxy 91.5294, 0.3616, 0.4005 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 248, 176) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 248, 176) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 248, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 91.5294, 0.3616, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 176) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
248, 176) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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